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A COMPARISON OF ALTERNATIVE FORECASTING STRATEGIES FOR MULTI STAGE PRODUCTION INVENTORY

On the Importance of Sequencing Decisions in Production Planning ... - 12:00pm www.nhh.no/for/dp/1999/0799.pdf

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A hybrid push/pull control algorithm for multi-stage, multi-line ... - 11:44am

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	S82 1878 705/10.ccls.		US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 08:59	
Scan	S81	17	(slocum and greg\$4).in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 08:59
,	S80	222	(i2).as.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 08:59
SUM	S79	1	"20020103686".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 08:59
4	S83	10	S82 and (S80 S81)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 09:23
	S86	37	S85 and (S80 S81 S82)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 09:27
,	S84	3600	((chemical petroleum perto\$5 oil gas propane) near5 (manufactur\$4 (supply adj chain) process\$4)) and ((demand sales quantity) near4 (forecast\$4 predict\$4 project\$4 estimat\$4 plan\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 09:27
4can	S87	6	("20020032585" "20020042768" "20020059091" "5630070" "5689418" "5897619").PN. OR ("6865542").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:28
	S88	76	("4646238" "4744026" "4744027" "4885686" "4924386" "5053970" "5093794" "5101352" "5140537" "5148370" "5155679" "5172313" "5185715" "5216593").PN. OR ("5630070").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:33
	S89	2	("5,953,707" "6,151,582").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:37
	S91	10	S90 and (S80 S81 S82 S85)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:38
	S92	50	(demand supply sales) near4 (breakout (break adj out))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:40
M	S95	73	(aspen and technolog\$3).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:41

Scan	594	69	(demand supply sales) near4 (breakout (break adj out))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/12 09:41
1	S96	5911	((chemical petroleum perto\$5 oil gas propane hydrocarbon) near5 (manufactur\$4 (supply adj chain) process\$4)) and ((demand sales quantity supply) near4 (forecast\$4 predict\$4 project\$4 estimat\$4 plan\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 09:48
	S85	5751	((chemical petroleum perto\$5 oil gas propane) near5 (manufactur\$4 (supply adj chain) process\$4)) and ((demand sales quantity supply) near4 (forecast\$4 predict\$4 project\$4 estimat\$4 plan\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 09:48
SCAU	S93	109	(downstream (down adj stream)) near4 (demand supply) near4 (plan\$5 forecast\$4 project\$4 estimat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/12 10:19
\$	S90	92	(downstream (down adj stream)) near4 (demand supply) near4 (plan\$5 forecast\$4 project\$4 estimat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 10:31
	S98	(PRECURSOR SUCCESSOR) near10 (demand supply)		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:54
	S97	(multistage (multi adj stage)) and ((demand supply) near5 (forecast\$4 plan\$6 estimat\$5 manag\$6))		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:54
~	S10 4	238	(S97 S98) and (S102 S101 S100 S103)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:55
•	S10 3	5911	((chemical petroleum perto\$5 oil gas propane hydrocarbon) near5 (manufactur\$4 (supply adj chain) process\$4)) and ((demand sales quantity supply) near4 (forecast\$4 predict\$4 project\$4 estimat\$4 plan\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 11:55

~	S10 2	5751	((chemical petroleum perto\$5 oil gas propane) near5 (manufactur\$4 (supply adj chain) process\$4)) and ((demand sales quantity supply) near4 (forecast\$4 predict\$4 project\$4 estimat\$4 plan\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 11:55
-	S10 1	1878	705/10.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 11:55
)	S10 0	222	(i2).as.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/12 11:55
SURA	S10 5	1	("2002/0072956").URPN.	USPAT	OR	ON	2005/12/12 11:57
1	S10 6	23509	(continuous near3 manufactur\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:58
SCAH	S99	3	S97 and S98	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:58
1	S10 8	3 S107 and S106		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:59
	S10 7	2311	(demand near2 (planning or management or forecasting))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 11:59
SCAN	S1	2	("5953707" "6151582").pn.	US-PGPUB; USPAT	OR	ON	2005/12/12 14:57
4	,L1	1	"20030046191".pn.	US-PGPUB; USPAT	OR	ON	2005/12/12 14:57

	L2	100	("4254190" "4369234" "5764558"	US-PGPUB;	OR	ON	2005/12/12 14:58
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	L4	2	("5,295,067" "5,960,414").pn.	USPAT	OR	ON	2005/12/12 15:00
	L5	76	("4646238" "4744026" "4744027" "4885686" "4924386" "5053970" "5093794"	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 15:03
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1			"6031984" "6041267" "6049742" "6088626" "6477660" "6625616").PN. OR ("6701201"). URPN.				

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148: Gale Group Trade & Industry DB 1976-2005/Dec 12
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                  275: Gale Group Computer DB(TM) 1983-2005/Dec 12
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       Examined 200 files
                 319: Chem Bus NewsBase 1984-2005/Dec 12
                 349: PCT FULLTEXT 1979-2005/UB=20051208, UT=20051201
       Examined 250 files
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                 481: DELPHES Eur Bus 95-2005/Dec W1
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                   484: Periodical Abs Plustext 1986-2005/Dec W1
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                   545: Investext(R) 1982-2005/Dec 12
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                   570: Gale Group MARS(R) 1984-2005/Dec 12
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                   610: Business Wire 1999-2005/Dec 12
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                   613: PR Newswire 1999-2005/Dec 12
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                   619: Asia Intelligence Wire 1995-2005/Dec 11
                   620: EIU:Viewswire_2005/Oct 19
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                   810: Business Wire 1986-1999/Feb 28
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                   813: PR Newswire 1987-1999/Apr 30
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*File 481: File 481 will cease updating in December 2005.
See HELP NEWS481.
```

\$131.24 Estimated cost File411

```
File 484: Periodical Abs Plustext 1986-2005/Dec Wl
         (c) 2005 ProOuest
*File 484: SELECT IMAGE AVAILABILITY FOR PROQUEST FILES
ENTER 'HELP PROQUEST' FOR MORE
 File 545:Investext(R) 1982-2005/Dec 12
         (c) 2005 Thomson Financial Networks
 File 551:TFSD Worldwide M&A 1980-2005/Dec 12
         (c) 2005 Thomson Fin Sec Data
 File 553: Wilson Bus. Abs. FullText 1982-2004/Dec
         (c) 2005 The HW Wilson Co
 File 554:TFSD J V & Alliances 1990-2005/Dec 12
         (c) 2005 Thomson Fin Sec Data
 File 570: Gale Group MARS(R) 1984-2005/Dec 12
         (c) 2005 The Gale Group
  File 608:KR/T Bus.News. 1992-2005/Dec 12
         (c) 2005 Knight Ridder/Tribune Bus News
  File 609:Bridge World Markets 2000-2001/Oct 01
         (c) 2001 Bridge
*File 609: This file is closed.
 File 610: Business Wire 1999-2005/Dec 12
         (c) 2005 Business Wire.
*File 610: File 610 now contains data from 3/99 forward.
Archive data (1986-2/99) is available in File 810.
  File 613:PR Newswire 1999-2005/Dec 12
         (c) 2005 PR Newswire Association Inc
*File 613: File 613 now contains data from 5/99 forward.
Archive data (1987-4/99) is available in File 813.
  File 619: Asia Intelligence Wire 1995-2005/Dec 11
         (c) 2005 Fin. Times Ltd
  File 620:EIU: Viewswire 2005/Oct 19
         (c) 2005 Economist Intelligence Unit
  File 621: Gale Group New Prod. Annou. (R) 1985-2005/Dec 12
         (c) 2005 The Gale Group
  File 631:Boston Globe 1980-2005/Dec 09
         (c) 2005 Boston Globe
  File 635:Business Dateline(R) 1985-2005/Dec 10
         (c) 2005 ProQuest Info&Learning
  File 636: Gale Group Newsletter DB(TM) 1987-2005/Dec 12
         (c) 2005 The Gale Group
  File 637: Journal of Commerce 1986-2005/Dec 12
         (c) 2005 Commonwealth Bus. Media
  File 647:CMP Computer Fulltext 1988-2005/Dec W1
         (c) 2005 CMP Media, LLC
  File 649: Gale Group Newswire ASAP(TM) 2005/Dec 09
         (c) 2005 The Gale Group
  File 728:Asia/Pac News 1994-2005/Dec W1
         (c) 2005 Dialog
  File 745:Investext(R) PDF Index 1999--2005/Dec W2
         (c) 2005 Thomson Fin. Networks
*File 745: INVESTEXT NOW ON DIALOGWEB
ENTER HELP NEWS745 FOR MORE
  File 767: Frost & Sullivan Market Eng 2005/Dec
         (c) 2005 Frost & Sullivan Inc.
  File 781: ProOuest Newsstand 1998-2005/Dec 12
         (c) 2005 ProOuest Info&Learning
  File 810: Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
```

```
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
  File 995:NewsRoom 2001 (c) 2005 Dialog
  File 996: NewsRoom 2000 (c) 2005 Dialog
      Set Items Description
? s (aspentech or (aspen (n2) technolog???)) and ((demand or supply or
downstream) (n2) (plan or planning or management or forecast????)) and
(petroleum or chemical or petrochemical or petro???? or (process (n2)
industr???)) not py>2001
Processing
Processing
Processing
Processing
Processing
Processing
Processing
Processing
Processed 10 of 47 files ...
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
Processing
Processing
Processing
Processing
Processed 20 of 47 files ...
Processing
Processing
Processing
Processing
Processing
Processed 30 of 47 files ...
Processing
Processing
Processing
Processing
Processed 40 of 47 files ...
Processing
Processing
Processing
Completed processing all files
            5488 ASPENTECH
          147932 ASPEN
        27037747
                 TECHNOLOG???
           13078 ASPEN(2N) TECHNOLOG???
        11072108 DEMAND
         8195328
                 SUPPLY
          524337
                 DOWNSTREAM
        13655837
                 PLAN
        10107277
                 PLANNING
        29531426 MANAGEMENT
         7861014 FORECAST????
                 ((DEMAND OR SUPPLY) OR DOWNSTREAM) (2N) (((PLAN OR
                  PLANNING) OR MANAGEMENT) OR FORECAST????)
         4487490 PETROLEUM
```

6774497 CHEMICAL

```
703957 PETROCHEMICAL
          5418969 PETRO????
         15592943
                  PROCESS
         52522791 INDUSTR???
           290558 PROCESS (2N) INDUSTR???
         66814443 PY>2001
       S1
            1218 (ASPENTECH OR (ASPEN (N2) TECHNOLOG???)) AND ((DEMAND
 OR
                   SUPPLY OR DOWNSTREAM) (N2) (PLAN OR PLANNING OR
                   MANAGEMENT OR FORECAST????)) AND (PETROLEUM OR
 CHEMICAL
                   OR PETROCHEMICAL OR PETRO???? OR (PROCESS (N2)
                   INDUSTR???)) NOT PY>2001
 ? s s1 and (demand (n2) planning)
 Processed 30 of 47 files ...
 Processing
 Completed processing all files
            1218 S1
        11072108 DEMAND
         10107277 PLANNING
            24022 DEMAND (2N) PLANNING
      S2
             129 S1 AND (DEMAND (N2) PLANNING)
 ? s s2/fulltext
 >>>Term "FULLTEXT" is not defined in one or more files
             129 S2/FULLTEXT
      S3
 ? rd
>>>Duplicate detection is not supported for File 112.
 >>>Duplicate detection is not supported for File 133.
 >>>Duplicate detection is not supported for File 349.
>>>Duplicate detection is not supported for File 481.
 >>>Duplicate detection is not supported for File 551.
.>>>Duplicate detection is not supported for File 554.
 >>>Duplicate detection is not supported for File 728.
>>>Duplicate detection is not supported for File 767.
 >>>Records from unsupported files will be retained in the RD set.
 >>>Record 112:1270570 incomplete bibliographic data - record retained
 in RD set
 >>>Record 609:793359 incomplete bibliographic data - record retained in
 RD set
              56 RD (unique items)
 ? s s1 and ("by-product" or (product (n2) (by or intermediate or co or
 refined)))
 Processing
Processed 10 of 47 files ...
 Processing
 Processed 20 of 47 files ...
 Processing
```

```
Processed 30 of 47 files ...
Processing
Processed 40 of 47 files ...
Completed processing all files
            1218 S1
               0 BY-PRODUCT
        25594437 PRODUCT
             482
                 BY
        1270096
                 INTERMEDIATE
        28132897 CO
         561707 REFINED
         118223 PRODUCT(2N)(((BY OR INTERMEDIATE) OR CO) OR REFINED)
      S5
             20 S1 AND ("BY-PRODUCT" OR (PRODUCT (N2) (BY OR
INTERMEDIATE
                 OR CO OR REFINED))))
? rd
>>>Duplicate detection is not supported for File 112.
>>>Duplicate detection is not supported for File 133.
>>>Duplicate detection is not supported for File 349.
>>>Duplicate detection is not supported for File 481.
>>>Duplicate detection is not supported for File 551.
>>>Duplicate detection is not supported for File 554.
>>>Duplicate detection is not supported for File 728.
>>>Duplicate detection is not supported for File 767.
>>>Records from unsupported files will be retained in the RD set.
      S6
             10 RD (unique items)
? ds
Set
       Items
                Description
S1
        1218
                (ASPENTECH OR (ASPEN (N2) TECHNOLOG???)) AND ((DEMAND
OR S-
            UPPLY OR DOWNSTREAM) (N2) (PLAN OR PLANNING OR MANAGEMENT
OR -
            FORECAST????)) AND (PETROLEUM OR CHEMICAL OR PETROCHEMICAL
OR
            PETRO???? OR (PROCESS (N2) INDUSTR???)) NOT PY>2001
S2
          129
                S1 AND (DEMAND (N2) PLANNING)
S3
          129
                S2/FULLTEXT
S4
          56
                   (unique items)
                RD
                S1 AND ("BY-PRODUCT" OR (PRODUCT (N2) (BY OR
           20
S5
INTERMEDIATE -
            OR CO OR REFINED)))
               RD (unique items)
S6
           10
? s s1 and (demand (n2) management)
Processing
Processed 10 of 47 files ...
Processing
Processed 20 of 47 files ...
```

```
Processing
Processed 40 of 47 files ...
Completed processing all files
            1218 S1
       11072108 DEMAND
       29531426 MANAGEMENT
           95627 DEMAND (2N) MANAGEMENT
            166 S1 AND (DEMAND (N2) MANAGEMENT)
     S7
? rd
>>>Duplicate detection is not supported for File 112.
>>>Duplicate detection is not supported for File 133.
>>>Duplicate detection is not supported for File 349.
>>>Duplicate detection is not supported for File 481.
>>>Duplicate detection is not supported for File 551.
>>>Duplicate detection is not supported for File 554.
>>>Duplicate detection is not supported for File 728.
>>>Duplicate detection is not supported for File 767.
>>>Records from unsupported files will be retained in the RD set.
>>>Record 112:1270570 incomplete bibliographic data - record retained
in RD set
>>>Record 609:793359 incomplete bibliographic data - record retained in
RD set
     S8
              65 RD (unique items)
? s s8 not s5
                 S8
              65
              20 S5
     S9
              62 S8 NOT S5
? t s9/ti/all
>>>No matching display code(s) found in file(s): 133, 551, 554
? b 411
      12dec05 14:43:27 User276702 Session D96.3
                     0.861 DialUnits File9
               $1.40 1 Type(s) in Format 3
               $0.00 3 Type(s) in Format 6 (UDF)
            $1.40 4 Types
    $6.05 Estimated cost File9
            $2.23
                    0.412 DialUnits File13
               $2.80 2 Type(s) in Format 3
               $6.80 2 Type(s) in Format 9
               $0.00 3 Type(s) in Format 6 (UDF)
            $9.60 7 Types
   $11.83 Estimated cost File13
                    1.243 DialUnits File15
               $1.65 1 Type(s) in Format 3
               $3.40 1 Type(s) in Format 9
               $0.00 2 Type(s) in Format 6 (UDF)
            $5.05 4 Types
```

```
$11.76 Estimated cost File15
      $14.29
                2.646 DialUnits File16
          $6.20 4 Type(s) in Format 3
          $7.10 2 Type(s) in Format 9
          $0.00 23 Type(s) in Format 6 (UDF)
      $13.30 29 Types
$27.59 Estimated cost File16
               0.641 DialUnits File18
       $2.82
$2.82
       Estimated cost File18
               5.912 DialUnits File20
       $5.91
          $2.90 2 Type(s) in Format 3
          $2.95 1 Type(s) in Format 9
          $0.00 8 Type(s) in Format 6 (UDF)
       $5.85 11 Types
$11.76 Estimated cost File20
       $3.07
                0.569 DialUnits File47
       Estimated cost File47
 $3.07
              0.698 DialUnits File88
       $3.07
 $3.07 Estimated cost File88
       $1.91
               0.208 DialUnits File95
          $0.00 1 Type(s) in Format 6 (UDF)
       $0.00 1 Types
       Estimated cost File95
 $1.91
       $0.71
                0.149 DialUnits File99
       Estimated cost File99
 $0.71
       $3.10
                0.513 DialUnits File103
       Estimated cost File103
 $3.10
                0.130 DialUnits File112
       $0.65
          $0.00 1 Type(s) in Format 6 (UDF)
       $0.00 1 Types
       Estimated cost File112
 $0.65
       $0.26
              0.055 DialUnits File133
 $0.26
       Estimated cost File133
              0.225 DialUnits File141
        $0.96
          $1.45 1 Type(s) in Format 3
       $1.45 1 Types
       Estimated cost File141
 $2.41
       $3.01
                0.670 DialUnits File144
 $3.01 Estimated cost File144
       $28.43
                5.265 DialUnits File148
          $3.10 2 Type(s) in Format 3
          $3.45 1 Type(s) in Format 9
           $0.00 1 Type(s) in Format 6 (UDF)
        $6.55 4 Types
       Estimated cost File148
$34.98
        $2.50
                0.463 DialUnits File275
       Estimated cost File275
 $2.50
                0.202 DialUnits File319
       Estimated cost File319
 $1.34
               1.086 DialUnits File349
        $5.16
        Estimated cost File349
                0.115 DialUnits File481
        $0.42
       Estimated cost File481
 $0.42
                0.562 DialUnits File484
        $2.75
       Estimated cost File484
                3.204 DialUnits File545
       $18.90
           $0.00 2 Type(s) in Format 66 (UDF)
```

```
$0.00 2 Types
$18.90
       Estimated cost File545
        $1.93
                 0.166 DialUnits File551
 $1.93 Estimated cost File551
        $1.49
                0.350 DialUnits File553
           $0.00 1 Type(s) in Format 6 (UDF)
        $0.00 1 Types
 $1.49
       Estimated cost File553
        $0.53
                0.064 DialUnits File554
 $0.53
       Estimated cost File554
        $1.95
              0.361 DialUnits File570
           $1.55 1 Type(s) in Format 3
           $0.00 1 Type(s) in Format 6 (UDF)
        $1.55 2 Types
 $3.50
        Estimated cost File570
        $0.49
                 0.490 DialUnits File608
       Estimated cost File608
 $0.49
        $0.45
                 0.452 DialUnits File609
           $0.00 4 Type(s) in Format 6 (UDF)
        $0.00 4 Types
       Estimated cost File609
 $0.45
               0.747 DialUnits File610
        $0.75
 $0.75
        Estimated cost File610
        $0.93
              0.927 DialUnits File613
           $0.00 1 Type(s) in Format 6 (UDF)
        $0.00 1 Types
 $0.93
        Estimated cost File613
                1.275 DialUnits File619
        $1.27
        Estimated cost File619
 $1.27
                0.153 DialUnits File620
        $0.55
        Estimated cost File620
 $0.55
                1.301 DialUnits File621
        $7.03
       Estimated cost File621
 $7.03
                0.182 DialUnits File631
 $0.18
       Estimated cost File631
               0.624 DialUnits File635
        $3.37
 $3.37
        Estimated cost File635
                1.122 DialUnits File636
        $6.06
           $0.00 5 Type(s) in Format 6 (UDF)
        $0.00 5 Types
 $6.06
        Estimated cost File636
                 0.168 DialUnits File637
        $0.84
        Estimated cost File637
 $0.84
                0.172 DialUnits File647
        $0.89
 $0.89
        Estimated cost File647
        $7.95
                1.471 DialUnits File649
 $7.95
        Estimated cost File649
        $0.39
                0.390 DialUnits File728
 $0.39
       Estimated cost File728
                0.431 DialUnits File745
        $2.54
        Estimated cost File745
 $2.54
        $1.38
                0.238 DialUnits File767
        Estimated cost File767
 $1.38
        $1.00
                0.999 DialUnits File781
 $1.00
        Estimated cost File781
                 0.388 DialUnits File810
 $0.39 Estimated cost File810
```

```
$0.34 0.342 DialUnits File813
     $0.34
           Estimated cost File813
            $6.14
                    1.445 DialUnits File995
              $2.90 2 Type(s) in Format 3
              $0.00 2 Type(s) in Format 6 (UDF)
           $2.90 4 Types
    $9.04 Estimated cost File995
           $5.15
                   1.212 DialUnits File996
              $2.90 2 Type(s) in Format 3
              $2.95 1 Type(s) in Format 9
              $0.00 4 Type(s) in Format 6 (UDF)
           $5.85 7 Types
    $11.00 Estimated cost File996
           OneSearch, 47 files, 41.299 DialUnits FileOS
     $7.20 TELNET
   $227.54 Estimated cost this search
   $364.13 Estimated total session cost 91.049 DialUnits
File 411: DIALINDEX (R)
DIALINDEX(R)
   (c) 2005 Dialog
*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***
? sf all not 225
  You have 563 files in your file list.
   (To see banners, use SHOW FILES command)
? s ("by-product" or (product (n2) (by or intermediate or co or
refined)) (n5) ((demand or supply) (n2) (planning or management or
forecast????)) and (petroleum or chemical or petrochemical or petro????
or (process (n2) industr???)) not py>2001
Your SELECT statement is:
   s ("by-product" or (product (n2) (by or intermediate or co or
refined)))
(n5) ((demand or supply) (n2) (planning or management or forecast????))
(petroleum or chemical or petrochemical or petro???? or (process (n2)
industr???)) not py>2001
                  File
          Items
                    16: Gale Group PROMT(R) 1990-2005/Dec 12
Processing
      Examined 50 files
      Examined 100 files
Processing
                  148: Gale Group Trade & Industry DB_1976-2005/Dec 12
      Examined 150 files
      Examined 200 files
      Examined 250 files
      Examined 300 files
```

```
Examined 350 files
Processing
                   545: Investext(R) 1982-2005/Dec 12
       Examined 400 files
               1 621: Gale Group New Prod. Annou. (R) 1985-2005/Dec 12
               1 636: Gale Group Newsletter DB(TM)_1987-2005/Dec 12
               1 649: Gale Group Newswire ASAP(TM) 2005/Dec 09
Processing
       Examined 450 files
       Examined 500 files
                  813: PR Newswire 1987-1999/Apr 30
       Examined 550 files
Processing
Processing
   7 files have one or more items; file list includes 563 files.
   One or more terms were invalid in 104 files.
? b hits
       12dec05 14:59:45 User276702 Session D96.4
          $114.30 43.132 DialUnits File411
   $114.30 Estimated cost File411
$4.53 TELNET
   $118.83 Estimated cost this search
   $482.96 Estimated total session cost 134.181 DialUnits
SYSTEM:OS - DIALOG OneSearch
  File 16:Gale Group PROMT(R) 1990-2005/Dec 12
          (c) 2005 The Gale Group
  File 148:Gale Group Trade & Industry DB 1976-2005/Dec 12
          (c) 2005 The Gale Group
  File 545:Investext(R) 1982-2005/Dec 12
          (c) 2005 Thomson Financial Networks
  File 621: Gale Group New Prod. Annou. (R) 1985-2005/Dec 12
          (c) 2005 The Gale Group
  File 636: Gale Group Newsletter DB(TM) 1987-2005/Dec 12
          (c) 2005 The Gale Group
  File 649: Gale Group Newswire ASAP(TM) 2005/Dec 09
          (c) 2005 The Gale Group
  File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
      Set Items Description
      ___ -----
? s ("by-product" or (product. (n2) (by or intermediate or co or
refined))) (n5) ((demand or supply) (n2) (planning or management or
forecast????)) and (petroleum or chemical or petrochemical or petro????
or (process (n2) industr???)) not py>2001
Processing
Processing
Processing
Processing
Processing
Processing
Processing
```

Processing

```
0 BY-PRODUCT
       11330755 PRODUCT
              0
                 ΒY
         290252
                 INTERMEDIATE
       11160806 CO
         171066 REFINED
          59247 PRODUCT(2N)(((BY OR INTERMEDIATE) OR CO) OR REFINED)
        4047032 DEMAND
        2847272 SUPPLY
        3170910 PLANNING
       12912969 MANAGEMENT
        2939973 FORECAST????
             82 (BY-PRODUCT OR PRODUCT(2N)(((BY OR INTERMEDIATE) OR
CO)
                 OR REFINED))(5N)(DEMAND OR SUPPLY)(2N)((PLANNING OR
                 MANAGEMENT) OR FORECAST????)
        2181015 PETROLEUM
        1619027 CHEMICAL
         201054 PETROCHEMICAL
        2301649 PETRO????
        4408665 PROCESS
       23864625 INDUSTR???
         151086 PROCESS (2N) INDUSTR???
       16380992 PY>2001
             13 ("BY-PRODUCT" OR (PRODUCT (N2) (BY OR INTERMEDIATE OR
     S1
CO
                 OR REFINED))) (N5) ((DEMAND OR SUPPLY) (N2) (PLANNING
OR
                 MANAGEMENT OR FORECAST????)) AND (PETROLEUM OR
CHEMICAL
                 OR PETROCHEMICAL OR PETRO???? OR (PROCESS (N2)
                 INDUSTR???)) NOT PY>2001
? rd
              8 RD (unique items)
     S2
? b 411
      12dec05 15:06:28 User276702 Session D96.5
          $11.00 2.037 DialUnits File16
              $4.65 3 Type(s) in Format 3
              $3.55 1 Type(s) in Format 9
           $8.20 4 Types
    $19.20 Estimated cost File16
           $14.95
                   2.768 DialUnits File148
              $4.65 3 Type(s) in Format 3
            $4.65 3 Types
    $19.60 Estimated cost File148
           $14.46 2.450 DialUnits File545
               $0.86 2 Type(s) in Format 95 (KWIC)
            $0.86 2 Types
    $15.32 Estimated cost File545
                  0.832 DialUnits File621
            $4.50
           Estimated cost File621
     $4.50
            $4.38
                   0.812 DialUnits File636
           Estimated cost File636
     $4.38
                    1.011 DialUnits File649
            $5.46
           Estimated cost File649
     $5.46
            $0.23
                    0.231 DialUnits File813
     $0.23 Estimated cost File813
```

```
$1.86
           TELNET
    $70.55 Estimated cost this search
   $553.51 Estimated total session cost 144.323 DialUnits
File 411:DIALINDEX(R)
DIALINDEX(R)
   (c) 2005 Dialog
*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***
? sf all not 225
   You have 563 files in your file list.
   (To see banners, use SHOW FILES command)
? s (downstream or ( (up or down) (n2) stream))) and ((demand or
supply) (n2) (plan or planning or management or forecast????)) and
(petroleum or chemical or oil or gas or petrochemical or petro????? or
(process (n2) industr???)) not py>2001
Your SELECT statement is:
   s (downstream or ( (up or down) (n2) stream)) and ((demand or
supply)
(n2) (plan or planning or management or forecast????)) and (petroleum
chemical or oil or gas or petrochemical or petro???? or (process (n2)
industr???)) not py>2001
           Items
                  File
               2
                    6: NTIS 1964-2005/Dec W1
                    8: Ei Compendex(R) 1970-2005/Dec W1
               4
             130
                    9: Business & Industry(R) Jul/1994-2005/Dec 09
                    13: BAMP 2005/Dec W1
              37
             349
                    15: ABI/Inform(R) 1971-2005/Dec 12
Processing
             395
                    16: Gale Group PROMT(R) 1990-2005/Dec 12
               5
                    18: Gale Group F&S Index(R) 1988-2005/Dec 12
               9
                    19: Chem. Industry Notes 1974-2005/ISS 200549
Processing
Processing
Processing
             188
                    20: Dialog Global Reporter 1997-2005/Dec 12
                    35: Dissertation Abs Online 1861-2005/Nov
              25
                    47: Gale Group Magazine DB(TM) 1959-2005/Dec 12
                    60: ANTE: Abstracts in New Tech &
                        Engineer 1966-2005/Nov
                    61: Civil Engineering Abstracts. 1966-2005/Nov
               1
       Examined 50 files
                    63: Transport Res(TRIS)_1970-2005/Nov
               1
                    73: EMBASE 1974-2005/Dec 12
                    75: TGG Management Contents(R) 86-2005/Dec W2
                    80: TGG Aerospace/Def.Mkts(R) 1982-2005/Dec 12
                    88: Gale Group Business A.R.T.S. 1976-2005/Dec 12
              53
                    94: JICST-EPlus 1985-2005/Oct W2
```

OneSearch, 7 files, 10.142 DialUnits FileOS

```
95: TEME-Technology & Management 1989-2005/Nov W1
                    98: General Sci Abs/Full-Text 1984-2004/Dec
                   99: Wilson Appl. Sci & Tech Abs 1983-2005/Oct
                   101: Disclosure Database(R) 2005/Dec W2
                  103: Energy SciTec 1974-2005/Oct B2
              13
                   111: TGG Natl.Newspaper Index(SM) 1979-2005/Dec 09
               1
                  112: UBM Industry News 1998-2004/\overline{J}an 27
>>>File 114: Prefix "PY" is undefined
                  114: Encyclopedia of Associations 2005/Sep
>>>File 120: Prefix "PY" is undefined
                   120: U.S. Copyrights 1978-2005/Dec 06
                   122: Harvard Business Review 1971-2005/Oct
                  129: PHIND(Archival) 1980-2005/Dec W1
       Examined 100 files
                  135: NewsRx Weekly Reports 1995-2005/Dec W1
                 139: EconLit 1969-2005/Nov
                 141: Readers Guide 1983-2004/Dec
                 144: Pascal 1973-2005/Dec W1
Processing
Processing
                   148: Gale Group Trade & Industry DB 1976-2005/Dec 12
             548
                   149: TGG Health&Wellness DB(SM) 1976-2005/Dec W1
               5
                   160: Gale Group PROMT(R) 1972-1989
               8
                  180: Federal Register 1985-2005/Dec 09
              69
                  192: Industry Trends & Anal. 1997/Jun
       Examined 150 files
                  215: ONTAP(R) ABI/INFORM(R)
               1
                   216: ONTAP(R) Gale Group PROMT(R)_
                  245: WATERNET (TM) _1971-2005Sep
                  248: PIRA 1975-2005/Nov W3
                   258: AP News Jul 2000-2005/Dec 12
               1
                   262: CBCA Fulltext 1982-2005/Dec 05
              10
                   264: DIALOG Defense Newsletters 1989-2005/Dec 09
>>>File 266: Prefix "PY" is undefined
                  266: FEDRIP 2005/Nov
                   267: Finance & Banking Newsletters 2005/Dec 12
                   275: Gale Group Computer DB(TM) 1983-2005/Dec 12
                   277: ONTAP(R) Investext(R)
       Examined 200 files
               1
                  286: Biotechnology Directory Current Sep B1
                   319: Chem Bus NewsBase 1984-2005/Dec 12
              41
                   323: RAPRA Rubber & Plastics 1972-2005/Oct
                   324: German Patents Fulltext 1967-200548
             372
                   348: EUROPEAN PATENTS_1978-2005/Dec W01
              15
                   349: PCT FULLTEXT 1979-2005/UB=20051208, UT=20051201
              36
>>>File 359: Prefix "PY" is undefined
                   359: Chemical Economics Handbook 2000/Jul
       Examined 250 files
                  440: Current Contents Search(R)_1990-2005/Dec 12
       Examined 300 files
                   471: New York Times Fulltext 1980-2005/Dec 12
                   476: Financial Times Fulltext 1982-2005/Dec 13
              23
>>>File 479: Prefix "PY" is undefined
                   479: Gale Group Company Intelligence(R) 2005/Dec 12
                   484: Periodical Abs Plustext 1986-2005/Dec W1
              12 485: Accounting & Tax DB 1971-2005/Dec W1
       Examined 350 files
```

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541: SEC Online (TM) Annual Repts 1997/Sep W3
                   542: SEC Online(TM) 10-K Reports_1997/Sep W3
                   543: SEC Online (TM) 10-Q Reports 1997/Sep W3
Processing
             228
                   545: Investext(R) 1982-2005/Dec 12
                   551: TFSD Worldwide M&A 1980-2005/Dec 12
               1
                   553: Wilson Bus. Abs. FullText 1982-2004/Dec
             114
                   564: ICC Brit.Co.Ann.Rpts 1984-2004/Jun 22
               5
                   568: Asian Bus. Intelligence Rpts_2002/Oct 25
                   570: Gale Group MARS(R)_1984-2005/Dec 12
              12
                   583: Gale Group Globalbase(TM) 1986-2002/Dec 13
                   605: U.S. Newswire 1999-2005/Dec 12
                   606: Africa News_1999-2005/Dec 12
       Examined 400 files
                   608: KR/T Bus.News. 1992-2005/Dec 12
                   609: Bridge World Markets 2000-2001/Oct 01
              44
                   610: Business Wire 1999-2005/Dec 12
                   613: PR Newswire 1999-2005/Dec 12
              47
                   616: Canada NewsWire 1999-2001/Mar 09
               1
Processing
                   619: Asia Intelligence Wire 1995-2005/Dec 11
              46
                   620: EIU: Viewswire 2005/Oct 19
              11
              89
                   621: Gale Group New Prod.Annou.(R)_1985-2005/Dec 12
                   624: McGraw-Hill Publications 1985-2005/Dec 12
              68
                   626: Bond Buyer Full Text 1981-2005/Dec 09
               1
                   627: EIU: Country Analysis 2005/Dec W2
              16
                   628: Ctry Risk & Forecasts 2005/Dec W2
                   629: EIU:BUS. Newsletters 2005/Dec W2
               5
                   631: Boston Globe 1980-2005/Dec 09
               2
                   635: Business Dateline(R)_1985-2005/Dec 10
              10
                   636: Gale Group Newsletter DB(TM)_1987-2005/Dec 12
             118
                   637: Journal of Commerce_1986-2005/Dec 12
              23
                   641: Rocky Mountain News Jun 1989-2005/Dec 12
               2
                   642: The Charlotte Observer 1988-2005/Dec 11
                   645: Contra Costa Papers 1995- 2005/Dec 09
               1
                   647: CMP Computer Fulltext 1988-2005/Dec W1
               4
                   648: TV and Radio Transcripts 1997-2005/Dec W2
                   649: Gale Group Newswire ASAP(TM) 2005/Dec 09
              95
Processing
Processing
              43
                   654: US Pat.Full. 1976-2005/Dec 08
                   660: Federal News Service 1991-2002/Jul 02
              33
       Examined 450 files
                   704: (Portland) The Oregonian 1989-2005/Dec 10
                   710: Times/Sun.Times(London)_Jun 1988-2005/Dec 10
               1
                   711: Independent (London) Sep 1988-2005/Dec 12
               4
               1
                   714: (Baltimore) The Sun_1990-2005/Dec 12
                   720: (Columbia) The State Dec 1987-2005/Dec 11
                   722: Cincinnati/Kentucky Post 1990-2005/Dec 08
               1
                   724: (Minneapolis) Star Tribune 1989-1996/Feb 04
               1
                   727: Canadian Newspapers_1990-2005/Dec 12
                   728: Asia/Pac News_1994-2005/Dec W1
                   733: The Buffalo News_1990- 2005/Dec 10
               1
       Examined 500 files
                   736: Seattle Post-Int. 1990-2005/Dec 10
               1
                   742: (Madison)Cap.Tim/Wi.St.J 1990-2005/Dec 10
                   745: Investext(R) PDF Index 1999--2005/Dec W2
```

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748: Asia/Pac Bus. Jrnls 1994-2005/Dec 07
                   753: IBISWorld Market Research 2000-2005/Nov W2
               1
                   759: Business Insights 1992-2005/Dec
                   761: Datamonitor Market Res. 1992-2005/Dec
                   763: Freedonia Market Res. 1990-2005/Nov
              29
                   764: BCC Market Research 1989-2005/Nov
                   765: Frost & Sullivan 1992-1999/Apr
                   767: Frost & Sullivan Market Eng_2005/Dec
                   768: EIU Market Research 2005/Nov 30
Processing
               8
                   781: ProQuest Newsstand 1998-2005/Dec 12
                   810: Business Wire 1986-1999/Feb 28
              15
                   813: PR Newswire 1987-1999/Apr 30
              20
                   816: Canada NewsWire 1996-1999/Jun 24
       Examined 550 files
                   980: Sarasota Herald-Tribune 1996-2005/Dec 11
               1
                   985: World News Connection(R) 1995-2005/Dec 12
Processing
                   990: NewsRoom Current Aug 1 -2005/Dec 10
Processing
Processing
Processing
Processing
Processing
Processing
Processing
                   993: NewsRoom 2003
Processing
Processing
Processing
Processing
Processing
                   995: NewsRoom 2001
             199
                   996: NewsRoom 2000
             155
   132 files have one or more items; file list includes 563 files.
   One or more terms were invalid in 104 files.
? b 995, 996, 763, 9, 15, 20, 103, 88, 319, 324,349,610,649,813
       12dec05 15:39:32 User276702 Session D96.6
          $235.42
                    88.837 DialUnits File411
   $235.42 Estimated cost File411
     $9.06
           TELNET
   $244.48 Estimated cost this search
   $797.99 Estimated total session cost 233.159 DialUnits
SYSTEM:OS - DIALOG OneSearch
  File 995:NewsRoom 2001 (c) 2005 Dialog
  File 996:NewsRoom 2000 (c) 2005 Dialog
  File 763: Freedonia Market Res. 1990-2005/Nov
         (c) 2005 Freedonia Group Inc.
         9:Business & Industry(R) Jul/1994-2005/Dec 09
         (c) 2005 The Gale Group
  File 15:ABI/Inform(R) 1971-2005/Dec 12
         (c) 2005 ProQuest Info&Learning
  File 20:Dialog Global Reporter 1997-2005/Dec 12
```

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(c) 2005 Dialog
  File 103:Energy SciTec 1974-2005/Oct B2
         (c) 2005 Contains copyrighted material
*File 103: For access restrictions see Help Restrict.
  File 88:Gale Group Business A.R.T.S. 1976-2005/Dec 12
         (c) 2005 The Gale Group
  File 319: Chem Bus NewsBase 1984-2005/Dec 12
         (c) 2005 Elsevier Eng. Info. Inc.
*File 319: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
  File 324:German Patents Fulltext 1967-200548
         (c) 2005 Univentio
*File 324: Search original German text plus English translation.
Images now available for 2005. See HELP NEWS 324 for details.
  File 349:PCT FULLTEXT 1979-2005/UB=20051208,UT=20051201
         (c) 2005 WIPO/Univentio
  File 610: Business Wire 1999-2005/Dec 12
         (c) 2005 Business Wire.
*File 610: File 610 now contains data from 3/99 forward.
Archive data (1986-2/99) is available in File 810.
  File 649: Gale Group Newswire ASAP(TM) 2005/Dec 09
         (c) 2005 The Gale Group
  File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
      Set Items Description
? s (downstream or ( (up or down) (n2) stream)) and ((demand or supply)
(n2) (plan or planning or management or forecast????)) and (petroleum
or chemical or oil or gas or petrochemical or petro???? or (process
(n2) industr???)) not py>2001
Processing
Processed 10 of 14 files ...
Processing
Processing
Completed processing all files
          343411 DOWNSTREAM
        28698576 UP
        11788468 DOWN
          865663 STREAM
           26518
                 (UP OR DOWN) (2N) STREAM
         5001586 DEMAND
         3982949 SUPPLY
         6375356 PLAN
         4031700 PLANNING
        11339359 MANAGEMENT
         2852524 FORECAST????
          284407 (DEMAND OR SUPPLY) (2N) ((PLAN OR PLANNING) OR
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MANAGEMENT)
                 OR FORECAST????)
        1529273 PETROLEUM
        3030966 CHEMICAL
        3719388 OIL
        3788994 GAS
         375332 PETROCHEMICAL
        2046928 PETRO????
        7396724 PROCESS
        19140796 INDUSTR???
           97699 PROCESS (2N) INDUSTR???
        27596676 PY>2001
     S1
          1724 (DOWNSTREAM OR ( (UP OR DOWN) (N2) STREAM)) AND
((DEMAND
                 OR SUPPLY) (N2) (PLAN OR PLANNING OR MANAGEMENT OR
                 FORECAST????)) AND (PETROLEUM OR CHEMICAL OR OIL OR
GAS
                 OR PETROCHEMICAL OR PETRO???? OR (PROCESS (N2)
                 INDUSTR???)) NOT PY>2001
? s s1 and (downstream (n2) demand (n2) (planning or management) (n5)
petroleum) not py>2000
Processing
Processing
Processed 10 of 14 files ...
Processing
Completed processing all files
           1724 S1
          343411 DOWNSTREAM
         5001586 DEMAND
        4031700 PLANNING
        11339359 MANAGEMENT
        1529273 PETROLEUM
              1 DOWNSTREAM (2N) DEMAND (2N) (PLANNING OR
                 MANAGEMENT) (5N) PETROLEUM
        46255794 PY>2000
              0 S1 AND (DOWNSTREAM (N2) DEMAND (N2) (PLANNING OR
                 MANAGEMENT) (N5) PETROLEUM) NOT PY>2000
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